

DAILY

**35S13 D HI-MATIC
NEW DAILY EURO 5b+ (FIA 2.3I)**



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IVECO



35S13 D HI-MATIC

FDP: A30C

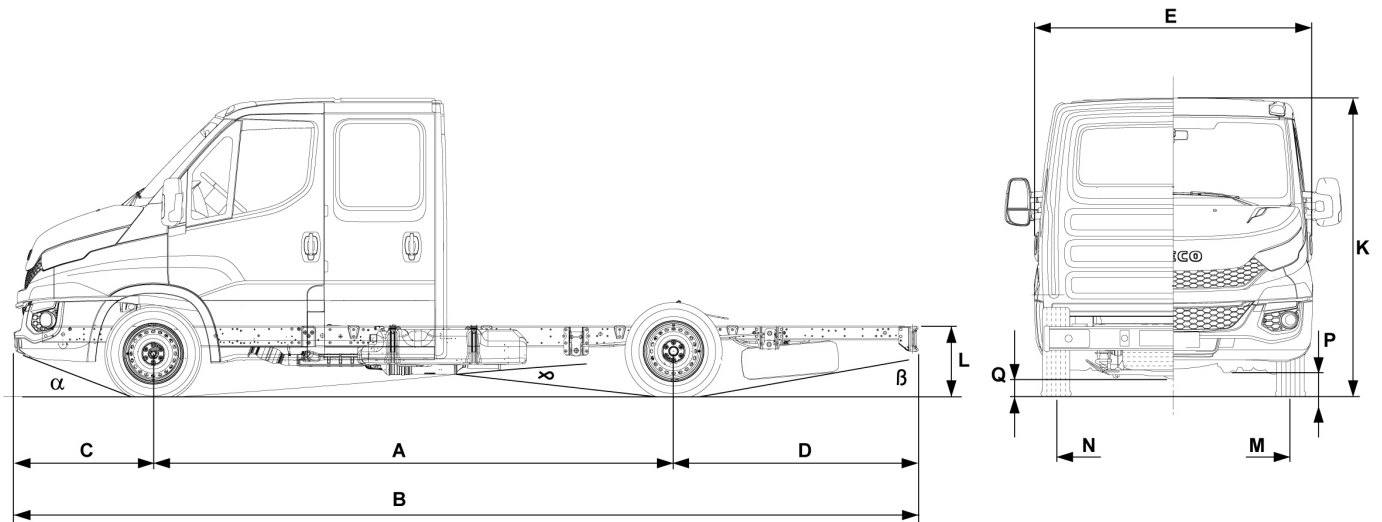
MARKET: I100

MOD: 35S13A8 D

List of linked VCB

VCB Code	Gearbox	Wb	Cabin	Drive
8BBA6BEI	ZF 8HP	3450	LDOS	LHD
8BBA6BEA	ZF 8HP	3450	LDOD	RHD
8BBA6EEI	ZF 8HP	3750	LDOS	LHD
8BBA6EEA	ZF 8HP	3750	LDOD	RHD
8BBA6HEI	ZF 8HP	4100	LDOS	LHD
8BBA6HEA	ZF 8HP	4100	LDOD	RHD

Weights & dimensions



3450 3750 4100

Overall length (over RUP) (B)	5913	6523	6523
Max width over wings (cab) (E)	2010	2010	2010
Front axle to front of body (H)	2160	2160	2160
Frame height end of frame, unladen(L)	715	718	705
Frame height front axle, unladen	557	593	543
Frame height rear axle, unladen	670	665	670
Front overhang (C)	1008	1008	1008
Rear overhang (D)	1455	1765	1415
Minimum ground clearance (front)	143	143	143
Minimum ground clearance (rear)	180	171	180
Overall height to top of cab, unladen(K)	2257	2250	2244
Turning diameter kerb to kerb	11876	12764	13800

Weights & dimensions

	3450	3750	4100
Turning diameter wall to wall	12536	13428	14466
Front track (M)	1740	1740	1740
Rear track (N)	1704	1704	1704
Approach angle (°)	16.5	16.7	16.8
Departure angle (°)	15.4	8.8	8.7
Ramp angle (°)	17.5	16	14.5
Left hand drive vehicle drawing	5801824740	5801824744	5801824748
Total vehicle kerb weight	1937	1950	1962
Kerbweight - F.A.	1408	1422	1428
Kerbweight - R.A.	529	528	534
G.V.W. (EC)	3500	3500	3500
Plated weight on F.A. (EC)	1900	1900	1900
Plated weight on rear axle (EC)	2240	2240	2240
Trailer weight (inertia brake)	3500	3500	3500
Max body & Payload (EC)	1563	1550	1538
Side members thickness	3	3	3
Side members max height	150	150	150
Flange width	56	56	56
Frame width at rear	860	860	860

Note:

The "Total vehicle kerb weight" considers the minimum kerb weight with minimum options.

Model Components
FCP - MT - 3,5 - 3,5 ton. single wheels
Weights (in general)

GVW (kg)	3500
GCW (kg)	7000

Notes:
The weights are indicated more precisely in the section: "Weights and dimensions"
The values of GVW / GCW can vary according to the markets and the homologations.

FCP - CA - 4X2 - 4x2
Configuration

Axle Configuration	4 X 2
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FCP - VE - 6+1 - Crew cab 6+1
Version

Version	Crew cab 6+1
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FCP - DR - SX - LH drive
Drive

Left

FCP - DR - DX - RH drive
Drive

Right

FTP - EN - FIAFL411B - FIA Engine 126hp Euro5+ LD WG
Engine

Manufacturer	FPT
Position	FRONT
Arrangement	LONGITUDINAL
Cycle	DIESEL
Aspiration type	TC+AFTERCOOLER
Injection type	Unijet common rail - 16 valves
4 Stroke / 2 Stroke cycle	4
No. of cylinders	4
Cylinders layout	IN-LINE
Bore (mm)	88
Stroke (mm)	94
Total displacement cm ³	2287
Exhaust gas treatment	EGR
(Torque, generic ref. only. See: "EP")	320

Engine - Miscellaneous

Injection system	HIGH PRESSURE / COMMON RAIL
Cold starting type	THERMOSTARTER

Cooling

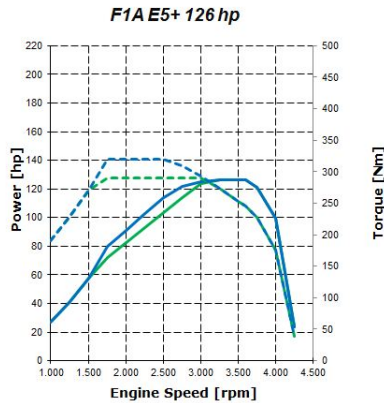
Cooling system	water
Fan type	electromagnetic

Air intake

Filter type	DRY
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Model Components

FCP - EP - I26 EU5 - ENGINE F1A I26CV EURO 5 LD



Engine

Power kW	93
Power Hp	126
Rpm at Max Power	3600
Torque Nm	320
Rpm l/min (min)	800
rpm (min. "Max Torque" eng. speed)	1800
Type of turbocharging	with waste gate valve

FTP - GB - ZF 8HP - Automatic 8-speed ZF Gearbox

Gearbox

Gearbox Type	AUTOMATIC
Installation	ENGINE FLANGED
Box material	ALUMINIUM
Dry weight Kg	81
Max input torque Nm	470
No. of gears (forward)	8
No. of reverse gears	1

Gear ratios

Gear ratio: 1st gear	4.71
Gear ratio: 2nd gear	3.14
Gear ratio: 3rd gear	2.1
Gear ratio: 4th gear	1.67
Gear ratio: 5th gear	1.29
Gear ratio: 6th gear	1
Gear ratio: 7th gear	.84
Gear ratio: 8th gear	.67
Gear ratio: rev. 1st	3.3
Gear Ratio: Last Gear	.67

With a torque up to 470 Nm and thanks to the electronic control of gear changing, Hi-Matic is perfect for high performance engines up to 205 HP.

Electronic control allows to select between two modes of use, specific to the type of journey:

ECO: setting during which smooth shifting at low speeds is performed to emphasize comfort and minimize energy consumption.

POWER: the transmission performs faster gear changes at higher speeds, ensuring a precise engagement of gear ratios for performing drive.

FTP - RA - NDA RS - NDA Single Wheels (ex 450210)

Other features

Axle Type	RIGID
Axle weight without susp. and tyres (Kg)	134
Reduction type	single

Brakes

Brakes according to standards	EC
Brake type	Disc

Model Components
FTP - FS - AMB017N - Ind. wheel transverse spring 17 q
Suspensions

Springs material	STEEL
Front Axle Suspension Type	Independent wheels, transversal leaf

Shock absorbers

Shock absorbers type	HYDRAULIC TELESCOPIC
Shock absorbers no. (front)	2

Features of the brakes (front wheels) :

29L / 35S : 2 calipers, diameter 48 mm - disc: diameter 300 mm, thickness: 28 mm

FTP - RS - PMA022N - Leaf springs 22 q.
Shock absorbers

Shock absorbers type	HYDRAULIC TELESCOPIC
Shock absorbers no. (rear)	2

Note:

Models 35C../ 70C.. chassis cab, crew cab are equipped with single acting semielliptic springs.

Models 35C.../ 70C... vans,combi,chassis cowl are equipped with dual-leaf parabolic springs.

Models 29L.. / 35S.. chassis cab,vans, combi,crew cab, chassis cowl (only 35S) are equipped with single leaf parabolic springs.

FTP - FR - AA05605RI - Chassis I44 x 53 x 3
Chassis (mm)

Frame section	PARALLEL
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Chassis / W.B.

Section shape	"C"
Side members material	STEEL

FTP - FR - AA06215RI - Chassis I44 x 53 x 3
Chassis (mm)

Frame section	PARALLEL
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Chassis / W.B.

Section shape	"C"
Side members material	STEEL

FCS - M0000 - 04488 - SYSTEM ESP 9
Braking system

Features	-
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Model Components

Braking system:

Dual circuit configuration; cross split on 29L - 35S / independent from 35C up to 70C.
 Hydraulically operated with vacuum servo assistance.
 Full disc brakes with floating calipers with auto wear adjustment.
 Mechanically controlled parking brake:
 29L / 35S / 35C (brake calipers)
 40C / 45 / 50C / 60C / 65C / 70C (drum)
 Brake fluid level indicator-front / rear pad wear indicator.
 Asbestos free pads.
 EASY interface.

Notes:

On Daily 2014 the ESP 9 system is standard for all the range. It is the latest evolution among the Electronic vehicle stability controls and is an advanced system for active and preventive safety in all weather and road conditions. Prevents the loss of vehicle control caused by:

High speed
 Wrong evaluation of the road lay-out
 Sudden vehicle skid
 Trying to avoid an obstacle
 Sudden vehicle steering

ESP9 includes ABS (Antilock Braking System), EBD (Electronic Brake force Distribution), ASR (Anti Slip Regulator), MSR (Motor Schlepptomment Regelung that acts on engine speed to reduce the braking torque in release), Hill Holder (Assited uphill departure), HBA (Hydraulic Brake Assist), LAC (Load Adaptive Control), TSM (Trailer sway mitigation. It detects the presence of a trailer and adapts the electronic stability control strategy in order not to negatively influence the dynamics of the vehicle-trailer system), RMI (Roll Movement Intervention. It mitigates dangerous roll-over situations during highly dynamic driving like e.g. evasive manoeuvre), ROM (Roll Over Mitigation. It mitigates dangerous roll-over situations during almost stationary manoeuvres like circular driving with steadily increasing steering wheel angle).

FTP - CL - LDOS - Double Cab LH

Cab	
Version	DOUBLE CAB
Cab type	SEMI-ADVANCED FIRM
Material	STEEL PLATE
Roof	
Roof material	SYNTHETIC, WASHABLE
Dimensions	
Front Area	3.8
Air Penetration Coefficient	.7
Doors	
Front doors no.	4
Front doors type	SIDE HUNG, INTERNALLY COVERED WITH FABRIC
Front doors opening angle	64°
Window operation	MANUAL ON RIGHT - MANUAL ON LEFT
Rear view mirrors	
Rear view mirr no	2
Mirrors control	MANUAL
Kerbside approach mirror	
Heating	
Fan speed no.	4
Air conditioning control	MANUAL
Heating control	MANUAL
Windscreen	
Windscreen type	STRENGTHENED - LAMINATED, ATHERMIC
Windscreen according to standards	EEC
Windscreen wiper	
No. of windscreen wiper speeds	3
No. of windscreen wipers	2

Model Components

Seats

No. of places	7
No. of seats	3
Driver seat adjustme	IN HEIGHT, LENGTH AND BACK INCLINATION
Passenger seat type	TWO SEATS BENCH
Central seat type	4 POSITIONS - TILTABLE

Miscellaneous

Lighter

Windows

Side rear windows

Chassis cab

Doorway lever

Glove compartment

Cab floor COVERED WITH SYNTHETIC MATERIAL

Monolithic execution

Plastic covering

Armrest

Model Components

Remarks:

Anti-corrosion protection includes full cathoretic dipping with galvanized boxed sections and strategic use of zinc plated panels in vulnerable areas. Protective under seal for all under body cabin area, wheel housing and engine area.

Interior equipment:

Storage compartments with bottle holder, pool cup for mobile phone, arm rests on the doors, shelves in overhead console, shelves at floor level below seats, interior lights, 2 spotlights, 4 loud-speakers, gearshift lever on dashboard.

Passenger's seat:

Fixed, 2 seats bench with drawer under seat.

Floor:

Covered with rubber mats.

Central console:

Storage compartments, glove box compartments on the top of the dashboard, central panel, adjustable air vents, ash-trays, lighter, heating control, cooled compartment (with opt. air conditioning).

Exterior equipment:

Close proximity mirror on passenger's side, steps on both sides, front bumper, mudguard, fog lights.

Handles on both sides, handle on A-pillar (with opt), rear underrun protection, rear lights crossbar. New battery position under driver step.

In cab equipment (it can vary according to the markets / homologations; for a complete list of Daily options please contact local Iveco distributor) :

Indicator lamps, on cluster:

- Parking brake
- Brakes failure
- Directions indicators
- Generic failure
- Seat belts not fastened
- Fog lights
- High beams
- Wing lights
- External lights failure
- Rear fog light(s)
- Open doors
- Fuel gauge
- Tachograph failure
- Coolant temperature
- EOBD
- Engine preheating
- Water in fuel filter
- Clogged air filter
- Clogged fuel filter

Multifunction stalks:

(Left) direction - Wing / Highbeam / Lowerbeam - Headlamp flash - Horn - Front fog lights (right).

New Daily 2014 is equipped with DRL (Daytime Running Lights).

For more security "side light / parking light" switch on automatically at every Key ON, so that the vehicle is more visible by daytime, too. The driver cannot by any means switch them off.

Windscreen wiper with intermittent wipe.

Steering wheel with secure and comfortable grip (ø 390 mm / inclination 42°).

FTP - CL - LDOD - Double Cab RH

Cab

Version	DOUBLE CAB
Cab type	SEMI-ADVANCED FIRM
Material	STEEL PLATE

Roof

Roof material	SYNTHETIC, WASHABLE
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Doors

Front doors no.	4
Front doors type	SIDE HUNG, INTERNALLY COVERED WITH FABRIC
Front doors opening angle	64

Model Components

Window operation	MANUAL ON RIGHT - MANUAL ON LEFT
Rear view mirrors	
Rear view mirr no	2
Mirrors control	MANUAL
Kerbside approach mirror	
Heating	
Fan speed no.	4
Air conditioning control	MANUAL
Heating control	MANUAL
Windscreen	
Windscreen type	STRENGTHENED - LAMINATED, ATHERMIC
Windscreen according to standards	EEC
Windscreen wiper	
No. of windscreen wiper speeds	3
No. of windscreen wipers	2
Seats	
No. of places	7
No. of seats	3
Driver seat adjustme	IN HEIGHT, LENGTH AND BACK INCLINATION
Passenger seat type	TWO SEATS BENCH
Central seat type	4 POSITIONS - TILTABLE
Miscellaneous	
Lighter	
Windows	
Side rear windows	
Chassis cab	
Doorway lever	
Glove compartment	
Cab floor	COVERED WITH SYNTHETIC MATERIAL
Monolithic execution	
Plastic covering	
Armrest	

Model Components

Remarks:

Storage compartments with bottle holder, defrost system for door windows, arm rests on the doors.

Anti-corrosion protection includes full cathoretic dipping with galvanized boxed sections and strategic use of zinc plated panels in vulnerable areas. Protective under seal for all under body cabin area, wheel housing and engine area. Steel bumper and side mouldings.

Interior equipment:

Storage compartments, shelves in overhead console, shelves at floor level below seats, interior lights, 2 spotlights, loud-speakers, gearshift lever on dashboard.

Central console:

Storage compartments, central panel, adjustable air vents, ash-trays, lighter, heating control, cooled compartment (with opt. air conditioning).

Exterior equipment:

Close proximity mirror on passenger's side, steps on both sides, front bumper, mudguard, fog lights.

Handles on both sides, handle on A-pillar, rear underrun protection, spare wheel on left side, rear lights crossbar.

In cab equipment :

Indicator lamps, on cluster:

- Parking brake
- Brakes failure
- Directions indicators
- Generic failure
- Seat belts not fastened
- Fog lights
- High beams
- Wing lights
- External lights failure
- Rear fog light(s)
- Open doors
- Fuel gauge
- Service
- Tachograph failure
- Coolant temperature
- EOBD
- Engine preheating
- Water in fuel filter
- Clogged air filter
- Clogged fuel filter

COMFORT LCD Display panel includes :

odometer - clock - headlamp orientation - trip computer - service - "Follow me" - seat belts not fastened - speed limits exceeding.

Switches on central console:

Rear fog lights - Hazard lights

Switches on central console (upper):

Central differential lock lamp - Central differential lock switch - Rear differential lock lamp - Rear differential lock - Front differential lock lamp (opt.) - Front differential lock switch (opt.) - ABS failure lamp (if present) - Differential locks failure lamp - ABS disconnection lamp (if present)

Multifunction stalks:

(Left) direction - Wing / Highbeam / Lowerbeam - Headlamp flash - Horn - Front fog lights (right)

Windscreen wiper with intermittent wipe.

FCS - D7000 - 02307 - STEEL WHEELS

Wheels

Rim type	DISC
Rim material	STEEL

Model Components
FCS - I0000 - 20187 - TYRES 225/65 R16
Tyres

Load index	112/110
Rolling circumference m.	2.112
Axle 2 Mounting	SINGLE
Dinamic Radius m	.336
Rolling resistance Coefficient	.007

FCS - I0000 - 20186 - TYRES 235/65 R16
Tyres

Load index	110/108
Rolling circumference m.	2.132
Dinamic Radius m	.339
Rolling resistance Coefficient	.007

FCS - D0000 - 00003 - REAR AXLE RATIO 4.44
Rear Axle Ratios

Rear axle ratio	4.44
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FCS - D0000 - 06010 - REAR AXLE RATIO 3.60
Rear Axle Ratios

Rear axle ratio	3.615
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FCS - D0000 - 08171 - 5.14 REAR AXLE RATIO
Rear Axle Ratios

Rear axle ratio	5.14
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FCS - D0000 - 06056 - 4.22:I REAR AXLE RATIO
Rear Axle Ratios

Rear axle ratio	4.22
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FCS - MPN00 - 00567 - I10 AH BATTERIES
Electrics

Batteries capacity V/Ah	12 V / 110 Ah
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Calculations

Tyres :	20187 - TYRES 225/65 R16	Rear Axle Ratio :	3 - R. AXLE RATIO 4.44
Efficiency :	0.93	No Transfer Box	

VCB Code	Ratios		Speed Km/h	Max Gradeability												
	ZF 8HP	NDA RS		Total Weights (solo vehicle) (Kg)					Total Weights (vehicle+trailer) (Kg)							
8BBA6BEI				3500							7000					
	I°	4.71	21.81	62.83							27.2					
	L.	.67	153.35	4.78							2.04					

Tyres :	20187 - TYRES 225/65 R16	Rear Axle Ratio :	6010 - R. AXLE RATIO 3.60
Efficiency :	0.93	No Transfer Box	

VCB Code	Ratios		Speed Km/h	Max Gradeability												
	ZF 8HP	NDA RS		Total Weights (solo vehicle) (Kg)					Total Weights (vehicle+trailer) (Kg)							
8BBA6BEI				3500							7000					
	I°	4.71	26.79	47.84							21.72					
	L.	.67	160	2.23							.77					

Tyres :	20187 - TYRES 225/65 R16	Rear Axle Ratio :	6056 - 4.22 REAR AXLE RATIO
Efficiency :	0.93	No Transfer Box	

VCB Code	Ratios		Speed Km/h	Max Gradeability												
	ZF 8HP	NDA RS		Total Weights (solo vehicle) (Kg)					Total Weights (vehicle+trailer) (Kg)							
8BBA6BEI				3500							7000					
	I°	4.71	22.95	58.55							25.72					
	L.	.67	160	4.16							1.73					

Tyres :	20187 - TYRES 225/65 R16	Rear Axle Ratio :	8171 - 5.14 REAR AXLE RATIO
Efficiency :	0.93	No Transfer Box	

VCB Code	Ratios		Speed Km/h	Max Gradeability												
	ZF 8HP	NDA RS		Total Weights (solo vehicle) (Kg)					Total Weights (vehicle+trailer) (Kg)							
8BBA6BEI				3500							7000					
	I°	4.71	18.84	78.44							32.04					
	L.	.67	132.47	6.56							2.92					